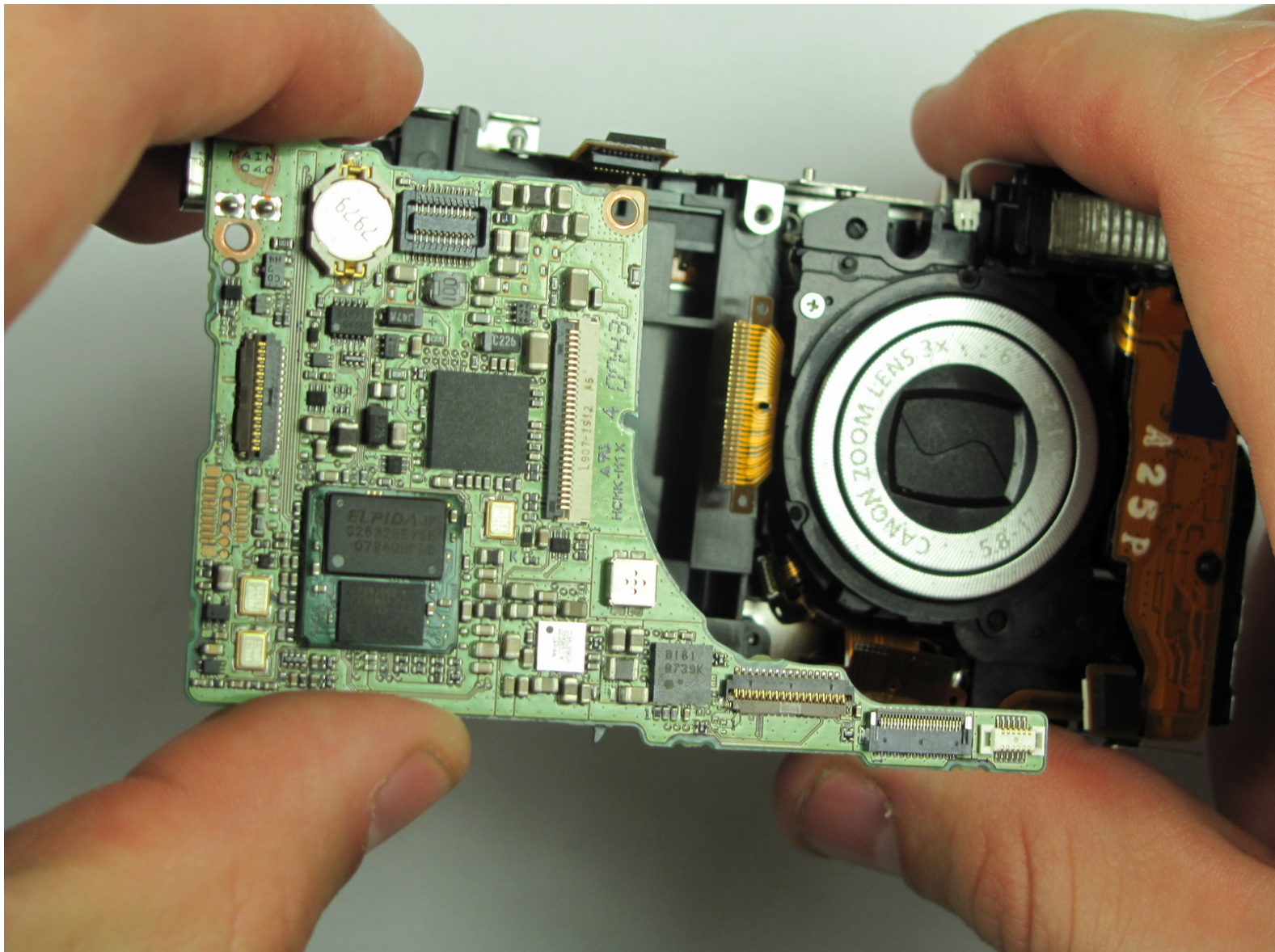




# Canon Powershot SD750 Motherboard Replacement

This guide will teach you how to replace the motherboard for the Canon PowerShot SD750.

Written By: William



## INTRODUCTION

Follow this guide to learn how to replace the motherboard for the Canon PowerShot SD750. Prerequisites for this guide include disassembling the casing and removing the LCD screen.

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### TOOLS:

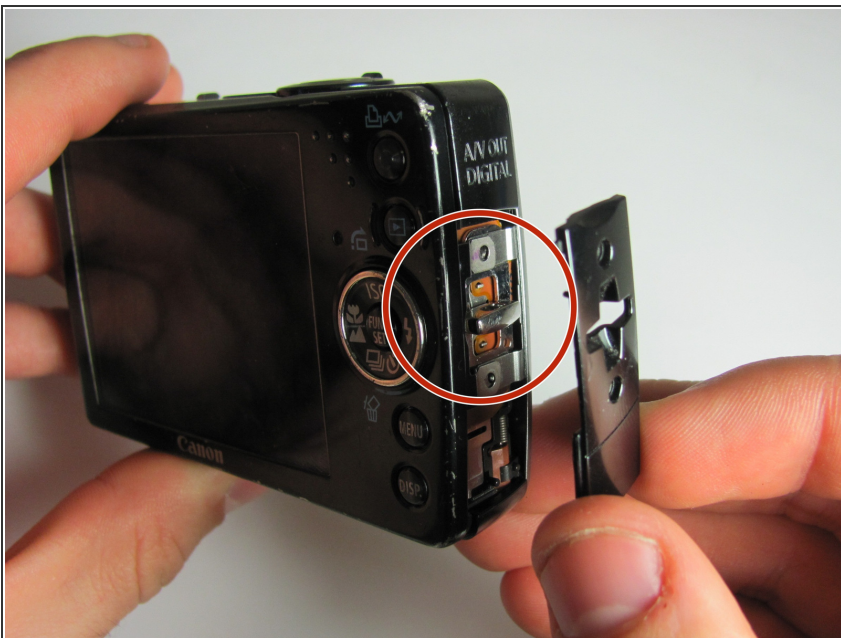
- [Paper Clip](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
  - [Tweezers](#) (1)
-

## Step 1 — Camera Case



- Turn the camera to the side that has the attachment for the wrist strap.
- Unscrew the two black 3.4 mm screws with a #00 Phillips screwdriver.

## Step 2



- Remove the plastic subsection by prying it with your fingers.
- ⓘ Note: It may be helpful to pry from the bottom of the camera with the battery door open.
- The wrist strap attachment behind the subsection will come loose and may fall out.



### Step 3



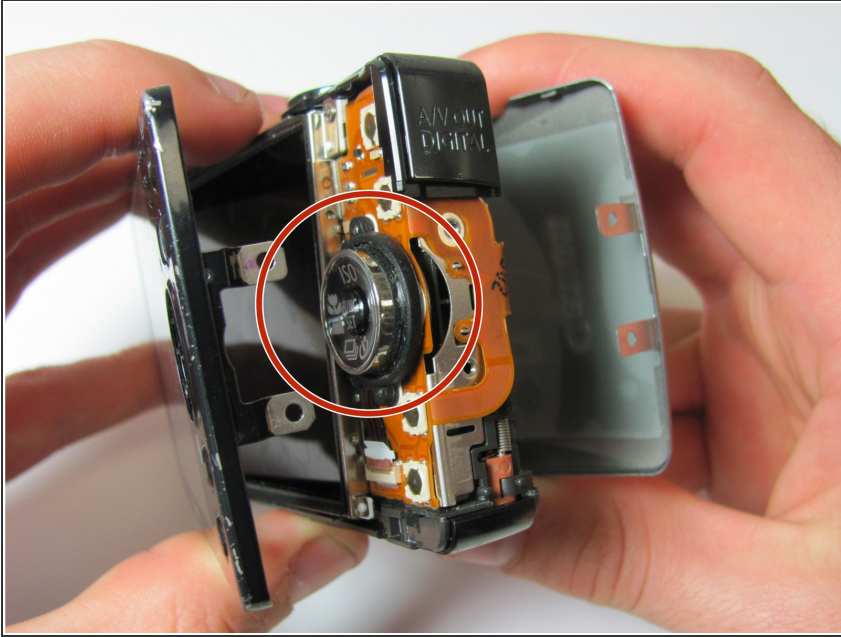
- Turn the camera over to the side opposite of the wrist strap.
- Remove the two silver 3.4 mm screws with a #00 Phillips screwdriver.

### Step 4



- Flip the camera upside down.
- Remove the following screws with a #00 Phillips screwdriver.
  - One black 3.4 mm Phillips screw.
  - One silver 3.4 mm Phillips screw.
- ⓘ NOTE: Using your fingernails may help in removal.

## Step 5



- Place the camera on the side opposite of the wrist strap handle.
- Then begin to pry the casing apart with both hands by applying pressure to the top and bottom of the camera.
- Remove the small metal plate underneath the plastic covering and set aside. (It should be loosely attached)

ⓘ Note: A rubber foam washer that separates the lens from the casing will fall off when the case is removed. Be sure to store it safely.

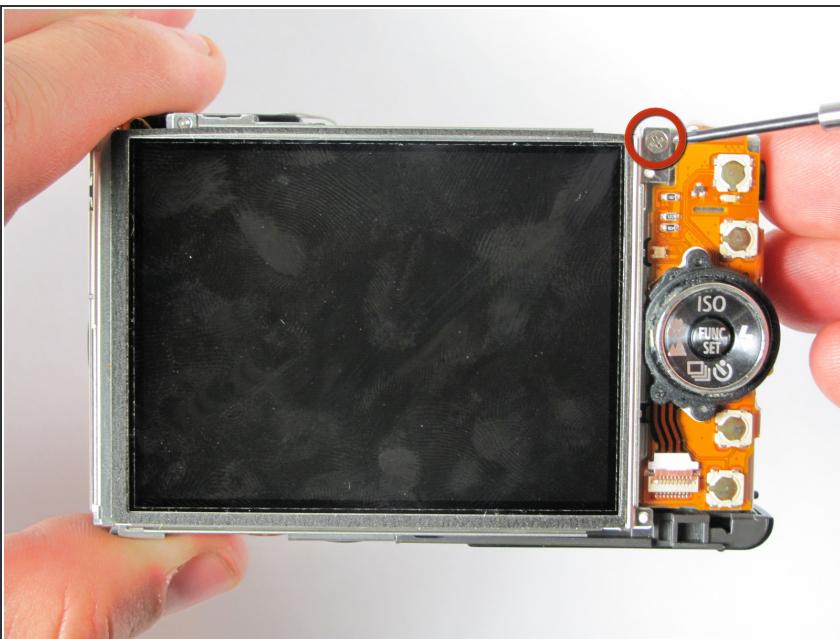
ⓘ Note: When reassembling ensure the back plate screw tabs are over the wrist strap attachment and the front plate screw tabs go under orange casing.

## Step 6 — LCD Screen



- Flip the camera right side up.
  - Remove the silver 3.5 mm screw (located on top of the camera) with a #00 Phillips screwdriver.
- Grip the corner of the A/V digital port and pull up and outward.
  - ⓘ Note: You may encounter some resistance when removing the A/V digital port. Apply enough pressure in order to remove this piece.
  - ⓘ Note: When reassembling, snap the corner plate back into its position. (Push down and inward)

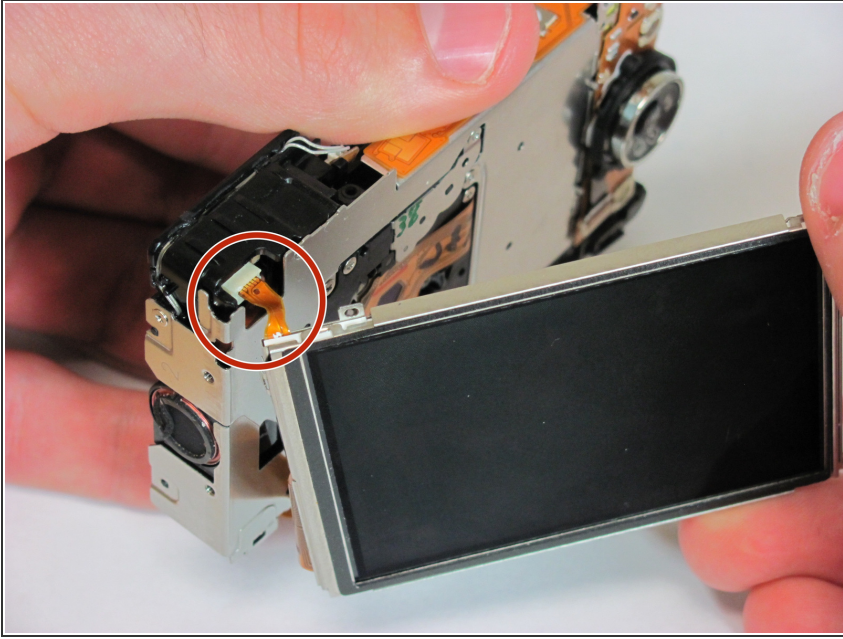
## Step 7



- Turn the camera forward so that the LCD screen is facing you.
  - Remove the silver 3.4 mm screw at the top right hand corner of the LCD screen with a #00 Phillips screwdriver.

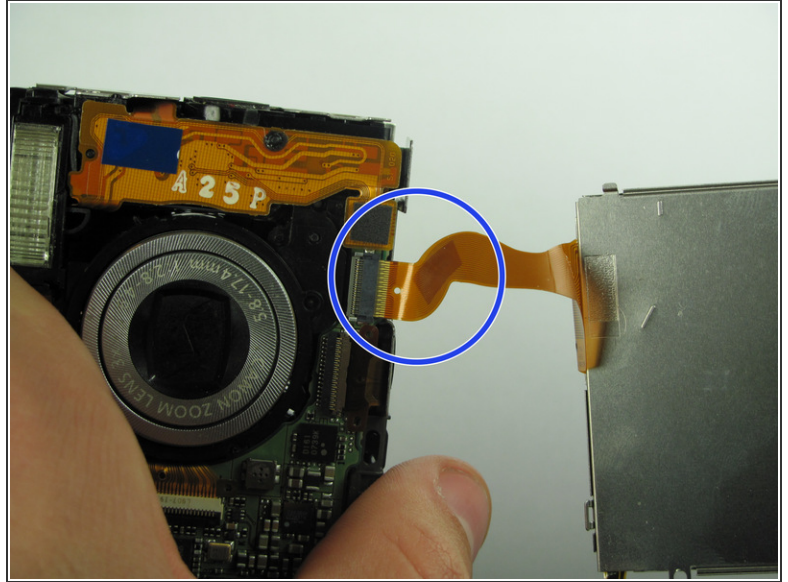
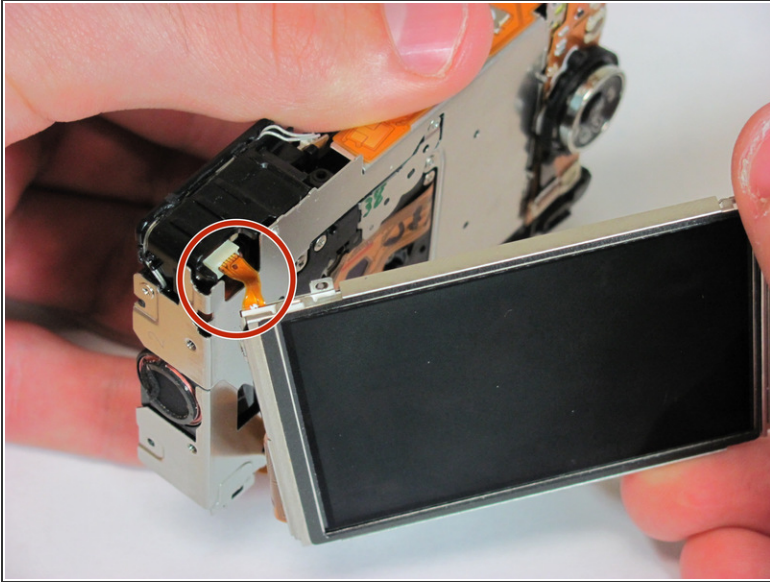


## Step 8



- Slide the LCD screen to the left of the camera and then gently pull the LCD screen away from the camera.
- ⓘ Note: Hold the screen and frame together.
- Be sure to align the screen properly.
- Be gentle and do not tear the ribbon connector for the LCD screen to camera.

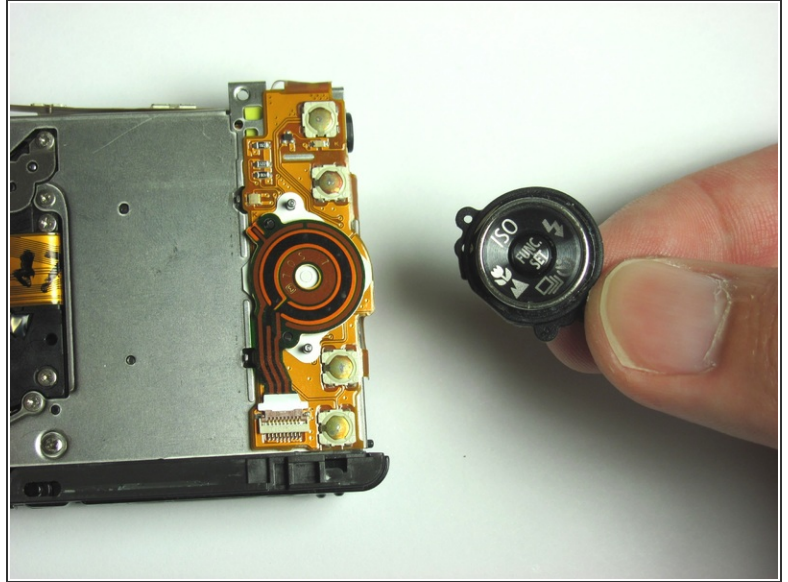
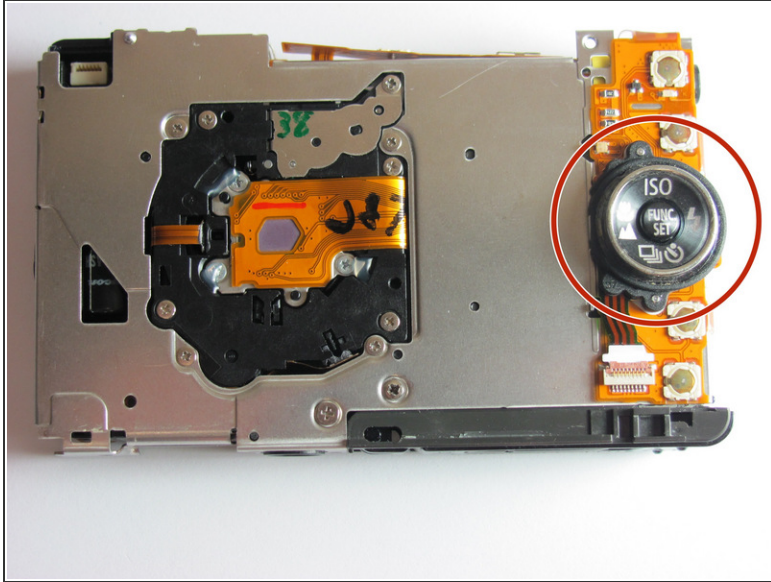
## Step 9



- Locate the two ribbons connected to the camera and the LCD screen. (One is red and small and the other is wide and orange)
- Remove the top left red ribbon by gripping the connector on the camera and sliding it straight out.
- Remove the side orange ribbon by gripping the connector on the camera and sliding it straight out.
- ⓘ Note: It may be helpful to use tweezers when removing the connectors. (Pay close attention to how the ribbons are disconnected as this will help in replacing the screen later)
- ⓘ Note: When reassembling, use tweezers to reconnect the small red connector on the top left of the screen.

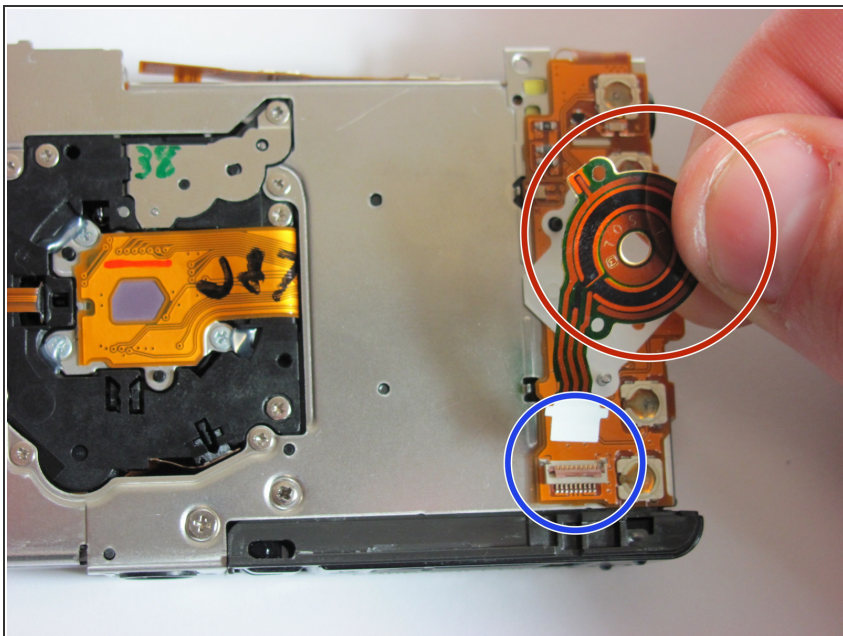


## Step 10 — Motherboard



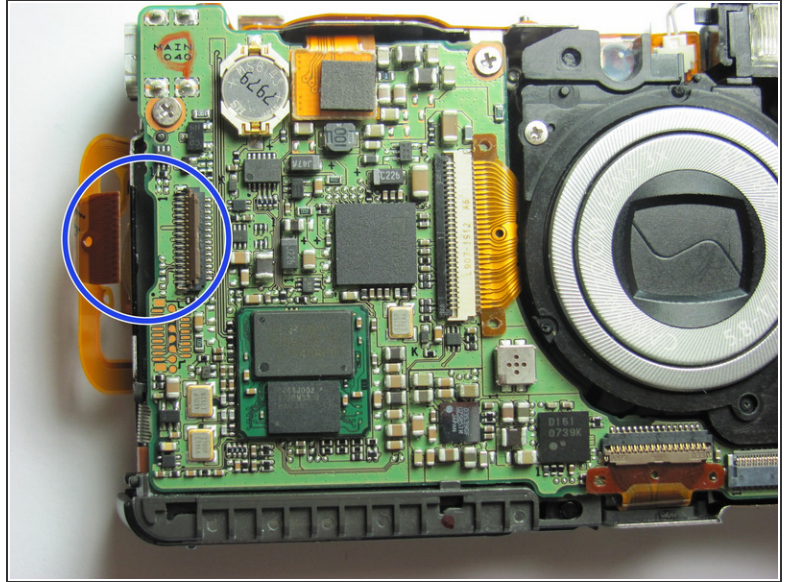
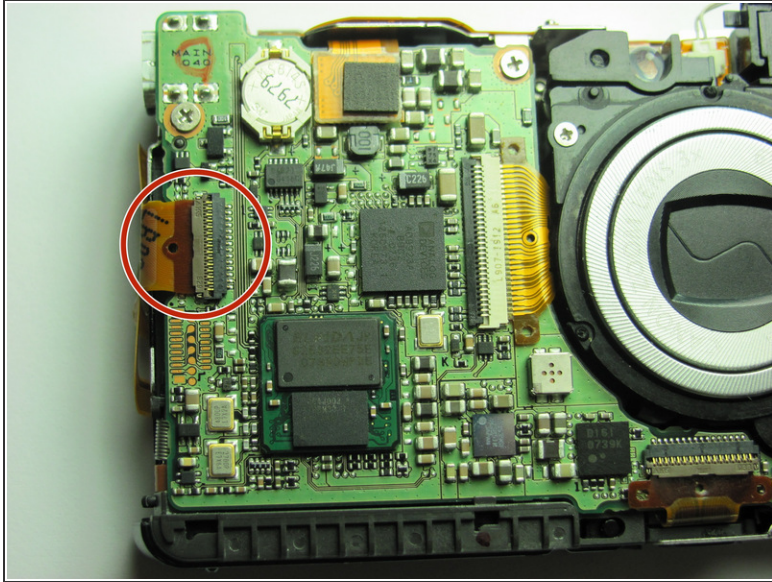
- Place the camera forward so that the LCD screen side is facing up.
- Remove the circular plastic button from the back of the camera.
- ⓘ Be sure to set the circular plastic button aside.

## Step 11



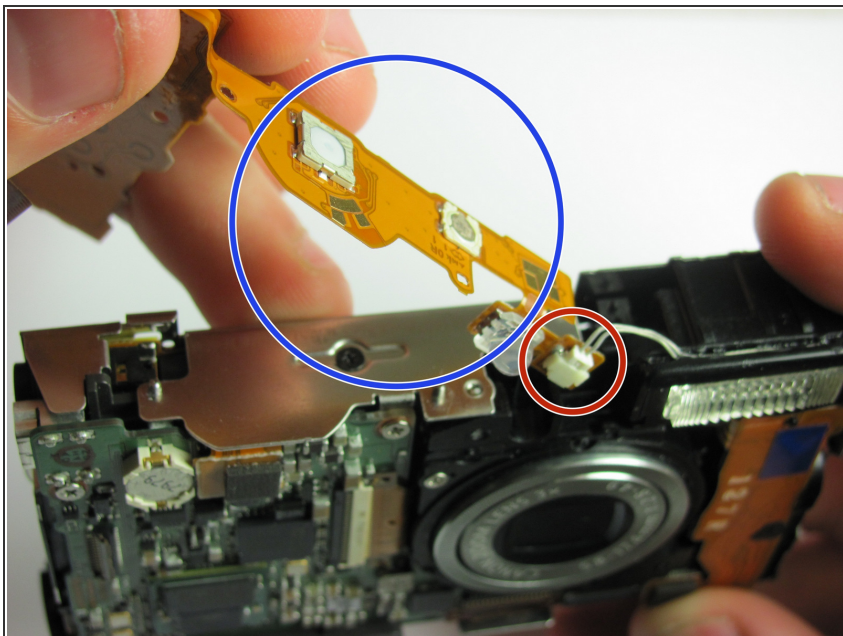
- Leave the camera facing forward.
- Grab the round orange and black striped connector as pictured.
- Then rotate the connector upward and pull the ribbon out.

## Step 12



- Place the camera backward so that the lens is facing up.
- Disconnect the ribbon that attaches to the motherboard by rotating the connector upwards.
- Pull the ribbon out of the ZIF connector.

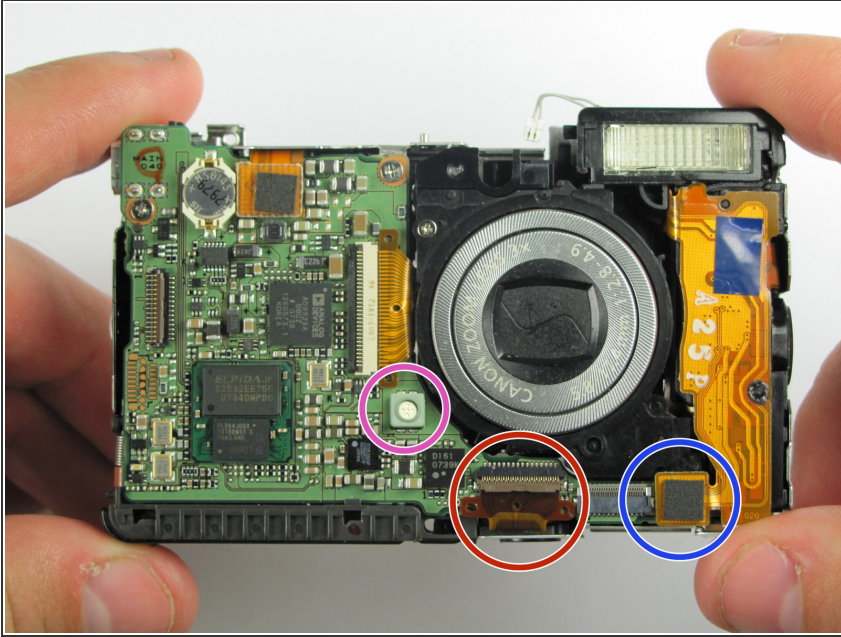
## Step 13



- Stand the camera upward.
- Disconnect the white connector attached to the flash by pulling it out on the top right side of the camera.
- Then remove the orange circuitry.



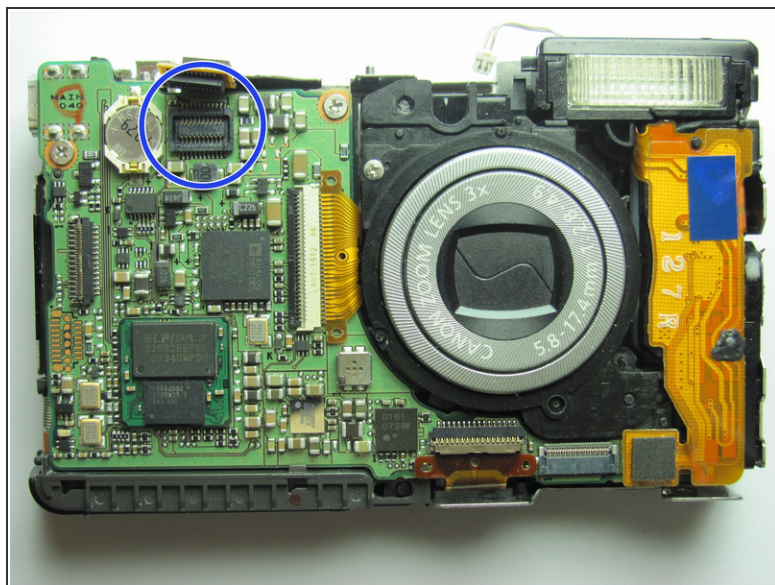
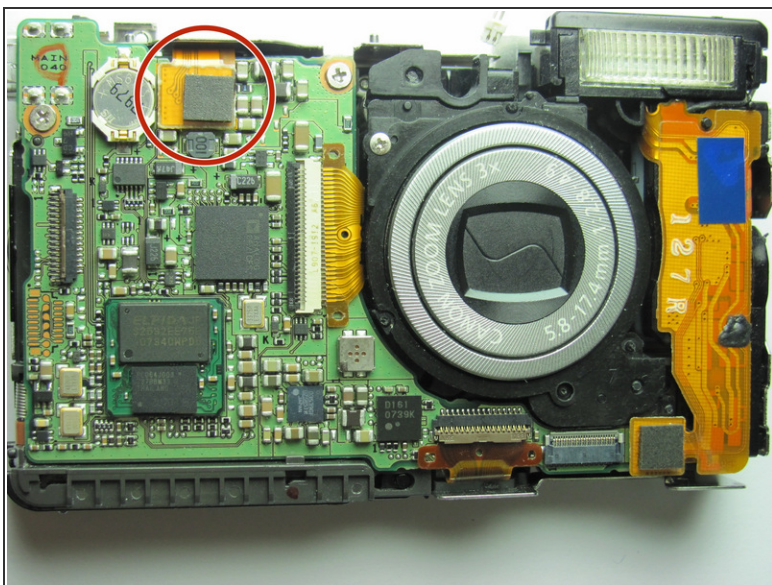
## Step 14



- Place the camera backward so that the lens is facing up.
- Disconnect the ribbon at the bottom of the main board by flipping up the brown ZIF connector and sliding the ribbon out.
  - ⓘ Note: Tweezers are recommended to perform this step.
- Remove the right most square connector at the bottom of the camera by flipping up the connector with two fingers until it detaches.
- Locate and remove the white rubber cover on the microphone.
  - ⓘ Note: Be sure not to lose the white rubber cover for the microphone.

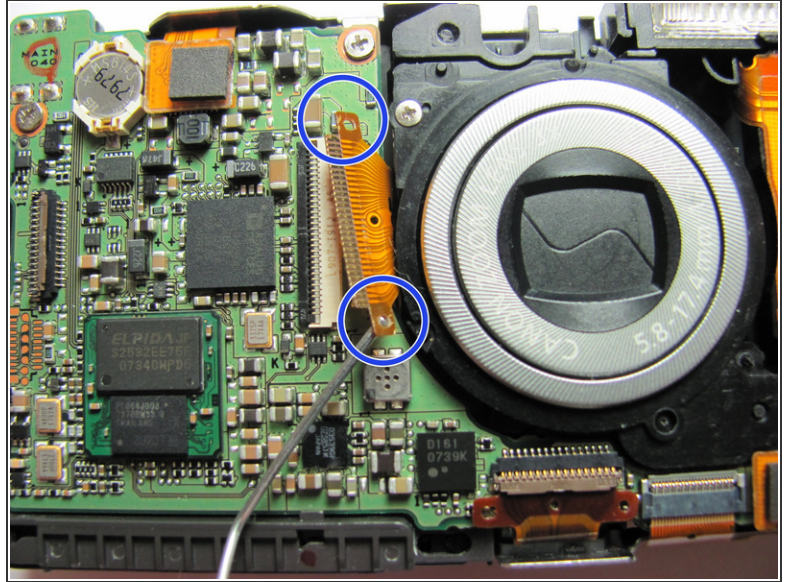
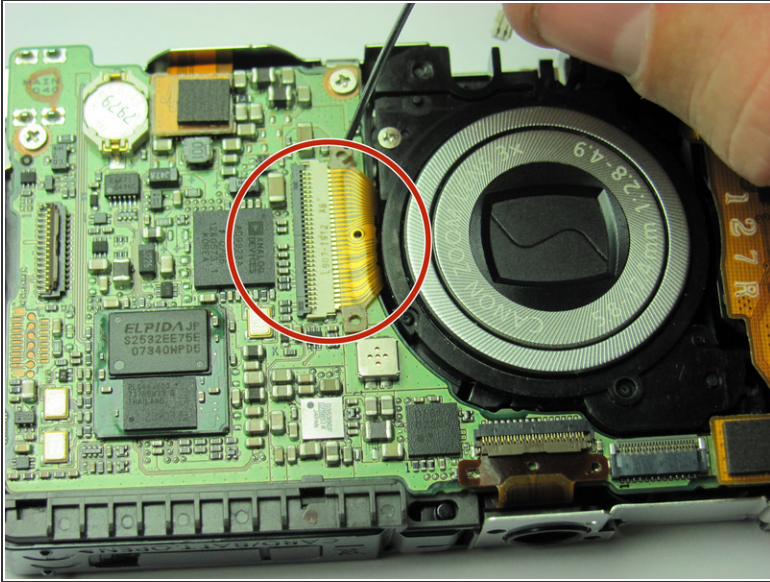


## Step 15



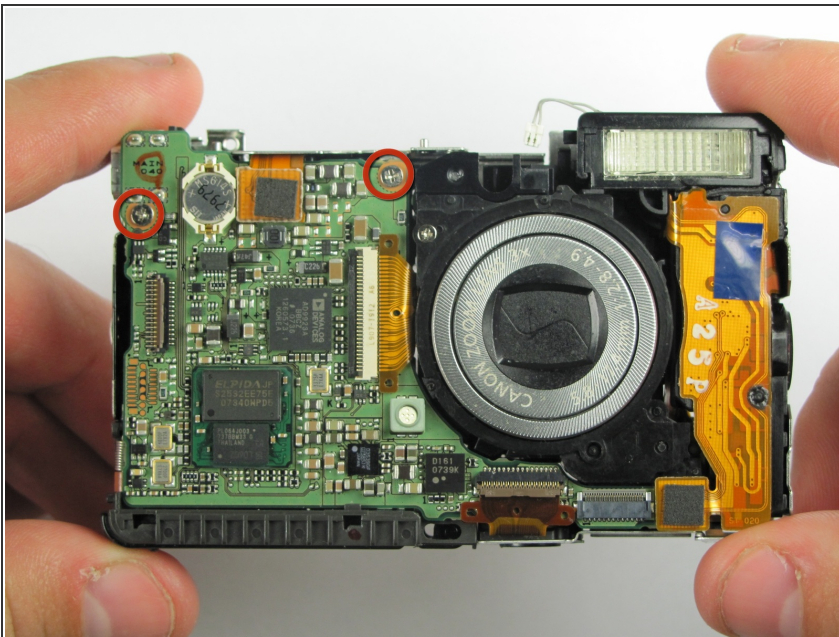
- Leave the camera facing backward so that the lens is facing up.
- Remove the square connector at the top of the motherboard by grabbing the connector with two fingers and pulling up until it detaches.
- Refer to the picture for correct removal.

## Step 16



- Leave the camera facing backward so that the lens is facing up.
- Flip up the ZIF locking mechanism using a paperclip
  - (i) Note: Place the paper clip in the holes on either end of the ZIF locking mechanism.
- Use the paperclip to pull the ribbon cable from the ZIF socket.

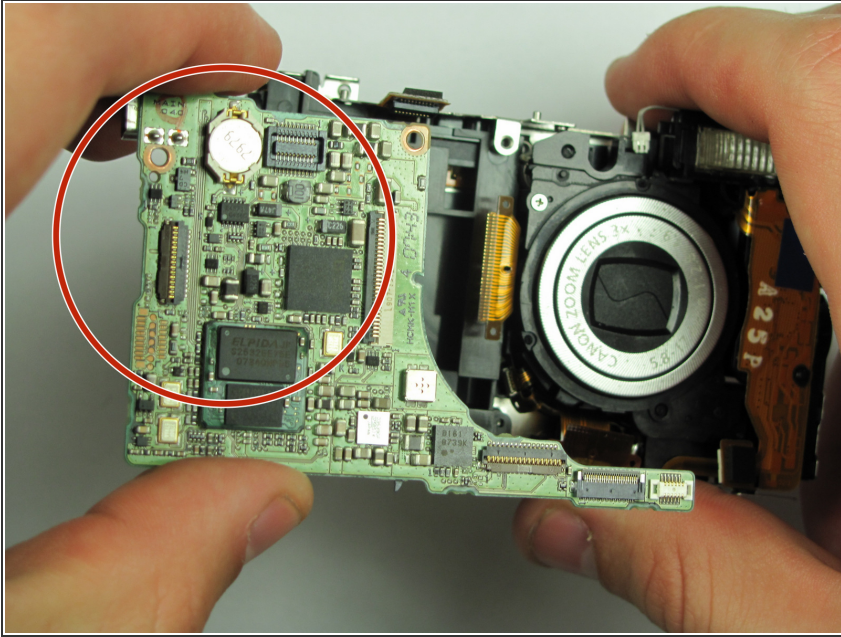
## Step 17



- Leave the camera facing backward so that the lens is facing up.
- Remove the two flat silver 3.46 mm Phillips screws with a #00 Phillips screwdriver connecting the motherboard to the frame of the camera.



## Step 18



- Leave the camera facing backward so that the lens is facing up.
- Pull the motherboard out by lifting it up on the left side about a 1/2 inch from the case and then slide it to the left.

**i** Note: When reassembling, make sure the ZIF connectors are not covered by motherboard.

**!** Caution: When removing the motherboard, pay special attention to the battery door detection switch or you may break the plastic nib.

To reassemble your device, follow these instructions in reverse order.

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